WHAT IS CLAIMED IS:

1. A catheter assembly, comprising:

a catheter adapter, comprising a distal end, a proximal end, and a lumen extending through the distal end and the proximal end of the catheter adapter; and

a catheter extending from the distal end of the catheter adapter, wherein the catheter comprises a distal tip, wherein the catheter comprises a plurality of strips extending longitudinally within the catheter from the distal end of the catheter adapter to the distal tip, and embedded within the catheter, the plurality of strips comprising a magnetic material

wherein the magnetic material is constructed to facilitate bending of the distal tip when the magnetic material is brought in proximity to another magnetic material.

2. The catheter assembly of claim 1, wherein the plurality of strips further comprises a radiopaque material, with each strip of the plurality of strips having the radiopaque material and the magnetic material disposed side by side.

3. The catheter assembly of claim 1, wherein the plurality of strips of magnetic material is embedded within a wall of the catheter.

4. A kit, comprising:

a catheter assembly, comprising:

a catheter adapter, comprising a distal end, a proximal end, and a lumen extending through the distal end and the proximal end of the catheter adapter; and

a catheter extending from the distal end of the catheter adapter, wherein the catheter comprises a distal tip, wherein the distal tip comprises a magnetic material; and

another magnetic material positionable on skin of a patient,

wherein in response to attaching the other magnetic material to the skin and inserting the distal tip of the catheter into a blood vessel, the distal tip of the catheter is configured to move towards the other magnetic material; and

wherein in moving the distal tip of the catheter towards the other magnetic material, attraction of the magnetic material of the distal tip to the another magnetic material is sufficient to cause the distal tip of the catheter to bend from a straight configuration to a bent configuration.

5. The kit of claim 4, wherein in bending from the first position to the second position, interaction between the magnetic material of the distal tip and the another magnetic material causes the bendable distal tip to bend in two dimensions.

6. The kit of claim 5, wherein the bendable distal tip bends upward toward the skin and sideways.

7. The kit of claim 5, wherein the another magnetic material is offset from a longitudinal axis of the catheter, to facilitate bending of the bendable distal tip in two dimensions.

8. The kit of claim 7, further comprising an adhesive patch securable to the skin of a patient, and wherein the another magnetic material is incorporated into the adhesive patch.

9. The kit of claim 8, wherein the adhesive patch further comprises a heating element configured to heat a blood vessel above normal body temperature, to dilate the blood vessel and increase blood flow.

10. The kit of claim 4, further comprising an arm band configured to be positioned about the wrist, forearm, or upper arm of the patient, and wherein the another magnetic material is incorporated into the arm band.

11. The kit of claim 7, wherein the arm band is rotatable about the wrist, forearm, or upper arm of the patient, such that a position of the other magnetic material is changed relative to the magnetic material of the distal tip.

12. The kit of claim 4, wherein the distal tip of the catheter defines an opening that enables one or more of a blood draw and a fluid infusion, and wherein the magnetic material of the distal tip surrounds the opening.

13. The kit of claim 12, wherein the catheter comprises a plurality of strips spaced circumferentially about the distal tip and extending longitudinally within the catheter and

embedded within the catheter, wherein the strips comprise a radiopaque material and the magnetic material.

14. The kit of claim 12, wherein the magnetic material comprises an annular ring embedded within the distal tip of the catheter and encircling the opening.

15. The kit of claim 12, wherein the distal tip comprises a tapered distal tip that tapers radially inward to define the opening.